# WORLD'S BUTTER CHAMPIONS

EVERY ONE AN "ALPHA-DE LAVAL" USER.

THERE have now been six Annual Conventions and Grand Competitive Butter Contests of the National Buttermakers Association,—1892, 1893, (none in 1894), 1895, 1896, 1897 and 1898. The following is the list of years, places of convention, names and addresses of Sweepstakes Gold Medal winners, and the highest scores. Every prize winning exhibit has been "Alpha-De Laval"

1892, Madison, Wis., Louis Brahe, Washington, Iowa, Score 98
1893, Dubuque, Iowa, C. W. Smith, Colvin's Park, Ill., "97
1895, Rockford, Ill., F. C. Oltrogge, Tripoli, Iowa, "98
1896, Cedar Rapids, Iowa, Thos. Milton, St. Paul, Minn., "97, Owatonna, Minn., H. N. Miller, Randall, Iowa, "98, 1898, Topeka, Kas., Saml. Haugdahl, New Sweden, Minn., "98

Everyone knows that the cream separator does not make the butter and likewise every experienced buttermaker knows that the "Alpha-De Laval" disc system of separation is not only the most thorough but that it at same time delivers the cream into the hands of the buttermaker in better condition for perfect buttermaking than is possible with any other separator or system. The reasons for this are as simple and as certain as gravity itself.

If you do not understand them and would like to know them send for "Dairy" catalogue No. 257 or "Creamery" catalogue No. 508.

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PHILADELPHIA.

#### THE DAIRY.



-EDITED BY-FRANK E. EMERY, M. S. agriculturist North Carolina Agricultural Ex-North Carolina Dairymen's Association. injuries regarding Dairying cheerfully an-

PROF. EMERY'S WEEKLY LET-TER.

WHAT COW SHALL THE FARMER KEEP Recently one correspondent has called for something to be written in these columns on the merits of the (his favorite) Guernsey cow. We look for her friends to respond, as well as for the friends of the more widely known Jersey to let her good qualities be known to our readers.

This week we give space to an article in the Texas Stock and Farm Journal, which comes near a large class of our North Carolina farmers.

There is a chance from such stock to make butter or cheese and in districts far from railroads the cheese making industry should be far greater than it is in this State. From these places it is well to have young beef cattle which are able to walk off to market too. Freights are thus saved. \* \* \*

Tae call of Prof. Connell to organize the dairy interests, which is also clipped from the same paper, is a good reminder to our own farmers that they are not assisting in the up-building of our dairy interests as should generally obtain. To hold a membership in the State Dairymen's Association costs but one dollar per year, and it is confidently believed that the reports can be worth many times the cost to every farmer who will accept and read it.

This membership and report together with THE PROGRESIVE FARMER and Experiment Station bulletins, will give much in a year on the subject of dairying and the allied farm interests which acting upon.

There is no business needing combi nation of effort more than farming. and no part of farming in which there can be more gained by hearty combination than in dairying. But less attention seems to be given to co operative farming and dairying than obtains in any other occupation with which we are familiar. Farmers must change this state of things to improve their prospects very much.

#### THE DAIRY COW FOR THE FARMER.

Most of the writers on dairy animals are dairy specialists and advocate the use, for dairy purposes, of cows of the dairy breeds exclusively. Among these writers are advocates of all the dairy carcely a single exception, deny the usefulness of what is generally called the dual purpose cows in the dairy de Partment of farm work. As put by Frof. Shaw in a recent address to the Minnesota Dairymen's Association, in which he alleged the superior useful turist. ness of the dual purpose cow, the argument of those advocating the dairy preeds was, that the special purpose cow can do more in her particular line, and that the highest results will be reached when the energies of the cow are concentrated; that this is an age of specialties, and the dairyman who conthe dairy will be the most successful.

The Journal is not prepared to deny that in some localities and with refer ply of the butter and cheese that is!

ence to some market conditions the dairy breeds give altogether the most satisfactory result, but for the farmer generally, and especially for the Texas farmer, the cow most valuable in the dairy is the one that will give a milk yield satisfactory in quantity and qual ity, and that will also produce a calf that is salable, no matter what be its sex. There are cows of the beef breeds that are quite good enough for the dairy purposes of the farmer, whose calves, if heifers, can be reared for dairy purposes, if males, can be reared to bring good profits on their entire cost if sold as feeders or fattened on the farm for the market. These are the cows which the Journal recommends to the farmer.

Prof. Shaw argues that special development into "a contracted chest, deficient vital organs, a frail creature which wears out under the strain of excessive nervous development. The dual purpose cow is the happy mean in which the organs of the system har monize with the greatest vigor. In her we find freedom from disease, and that harmony which conduces to long continued performance and longevity. From her we look for the productiveness that endures."

Not that the purebred dairy animal has no place. There are markets in which dairy products are more profit able than all the products of the dual purpose animal. These are enough in number and in the volume of demand to make the requirements for special hours of his earthly life. Those who dairy breeds very considerable. And for the suburban families and city fam ilies not too limited in space about their dwellings the small and graceful after the cross was raised, looking dairy animals, gentle and yielding the over the coarse and brutal soldiery, richest of milk, will always be favorites. There is demand enough for the hounded Him to that hour, He uttered dairy breeds to justify their continuance, but the place for them is not on deeper impression on the world than the general farm.

CARE OF MILK AND MILK UTEN-SILS.

All dairy utensils should be made of tin. It is a good plan to have the milk pans and pails made to order. Use the best tin and have all the joints made should be worth reading, saving and round. After use they should first be washed in cold water and soap and then scalded, using plenty of hot water, wiped perfectly dry and placed where the sunshine will get into them. It is a great mistake to pour hot water into milk pans and pails, for it will coagulate the milk in the seams and corners and if by accident the curd is not all washed out it will sour and affect the next milk put in. Borax is a great purifier. If a little is added to the hot water that the utensils are rinsed in, it will cleanse and purify them. Use enough to make the water feel slightly slippery. Dairy utensils should never be used for other articles of food.

To clean tinware, dampen a soften cloth and dip it in common baking sods and rub the ware briskly, and then wipe dry. Milk is a ready absorber of gases. Care should be taken not to families, Jersey, Guernsey, Holstein, have it stand in a place which is damp Ayrehire, etc., but one and all, with or musty or in a cellar where there are decaying vegetables or near onions, fish or other odorous substances. Finely powdered charcoal, which is an absorber of gases, should be kept continually in a milk room, especially in hot weather, when unwholesome gases are most liable to effect the milk .- M. B. Keech, Iowa, in American Agricul-

The call of J. H. Connell, Professor of Agriculture and Director of the Texas Agricultural Experiment Sta tion, for a meeting of Texas dairymen to organize a State Dairymen's Association which appeared in the Texas Stock and Farm Journal of the 12th, is one which no one interested in the dairy industry in Texas can afford to ignore. fines himself to the special products of The dairy interests of Texas, though her cattle industry is of such vast importance, have been strangely neglected. We produce a very small sup-

consumed by our people, though we have such opportunities and advan tages that we ought to export large quantities of these supplies. But few, if any, of our dairies are operated upon modern principles, and the benefits of natural advantages are lost through carelessness and indifference. Our dairymen have never organized to promote their interests by united effort.

The time new is favorable and all who are interested should respond to the call of Prof. Connell.

#### Christian Life Column.

Waiting.

"The mills of the gods grind slowly." And yet Should we our blessings wholly

Forget? When the seedtime tasks were done, We know how the earth and air and sun Brought us a beautiful harvest at last. Toen wait.

The river of life is now turning The wheel. Little by little are we now learning To feel

That all things work together, In sunshine and stormy weather, For good, and joy will come at last. Then hope.

We never understand rightly Just why The sun does not always shine brightly In our sky Till we feel the sunshiny calm

That follows the furious storm And smile at the danger that's past. Have faith -Oliver H. Hill, in Good Housekeeper.

-CRUCIFIXION OF CHRIST.

Death on the Cross Was a Most Terrible Form of Torture

"Crucifixion was a terrible death," death, writes the Rev. Amory H. and never used for a Roman citizen. The hands and feet of the victim were nailed to the wood, and a kind of rude seat was provided-just enough to prevent the weight of the body from tear ing through the flesh. The exact spot where Jesus was crucified cannot now be identified. Golgotha was probably some skull shaped hill 'outside the city wall.' Thither a strange procession wended its way-the condemned with their crosses on their backs, the hard hearted rabble making fun of them as they passed. The strength of Jesus failed before the destination was reached, and another was compelled to carry the cross for Him. Tais crucifixion, like all others, was cruel and barbarous in the extreme. The executioners were Roman soldiers. but a host of Jews feasted their eyes

on the hideous sight. Such agony was no protection against the gibes of the crowd. With but one of His disciples in sight, and only two or three friendly women near-one of them his mother-Jesus passed the last suffered by crucifixion sometimes lin gered three or four days-Jesus lived about five hours. While hanging on the cross He spoke seven times. Soon and the mistaken fanatics who had a prayer, which has probably made a any other single prayer ever offered: 'Father forgive them, for they know not what they do '"

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Perfect, 1/4 lbs. (2 doz. in case), per doz. "
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Meats-Dry salt short rib sides, Richmond.... Dry salt extra short clears, Dry salt heavy fat backs, Mess Pork, per bbl. Smoked Meats-Sugar cured hams, about 10 lbs,..... Sugar cured hams, 12 to 14 lbs..... Sugar cured California hams ...... Sugar cured breakfast bacon.....

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Aladdin 10c Pratt's astraloil 11c Uarnadine red 10½ Lubricating Oils (f o b Richmond)-Spices and Peppers-Black Pepper, best sifted ...... Phila.

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Confectioners A ..... 5 Extra C, white ..... 438 | Extra C, yellow ... 418 Soda, Baking. 1b package, 60 to box ..... Assorted lbs. halves and quarters .... Baking Soda in kegs, 112 lbs..... Starch (Philadelphia)-Celluloid, large size, 64...... \$ 4.75 Celluloid, small size 64...... 2.50 Best Pearl Lump, 50 lb boxes.....

Gloss, 48 lbs. in box.... Laundry, 40 lbs....\$1 20 | Brooms (Richmond)-Soap (Richmond)-Big Olive, 20 cakes per box ..... \$ 1 80 

" wrapped Phila, 175 "unwrapped Phila, 165 New South 100 " Best Washing, 100 cakes, Phila, per box Salt (Wilmington)-100 lbs White Cotton..... Telacco--Philadelphia

New South ....... 27c | Good Cheer ...... 28c Our Ideal ....... 28 | Big Chew ....... 30 Axle Grease (Richmond)-Frazier's......\$2 50 | Golden Star......\$1 05

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White and black spring oats, choice 39 cts per bushel. Millet-(bag extra 15c.) German...... Rye...... 63 | Barley..... 65

HARDWARE. Powder, best rifle, per keg...... \$ 400 Hames-No 21/6 hook, iron bound, per doz...... No 3 hook, iron bound, per doz...... No 16 hook, brass bound, per doz.....

Cotton, with snaps, 33 feet long, doz.... Madras Hemp with snaps, 33 feet \*\* .... Fence Wire-Plain wire, put up in rolls of 100 to 130 pounds.

Galv. barbed ..... Poultry Netting-Put up in rolls of 150 running feet.

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21 per cent. Amonia, 3 per cent. Potash) PROGRESSIVE FARMER GUANO (8 per cent. Paosphatic Acid, 2 per cent. Ammonia, 11 per cent. Potash).

NORTH CAROLINA OFFICIAL ACID PHO3PHATE (13 per cent. Available Phosphoric Acid).

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John Y Stokes, Reidsville

TESTIMONIALS.

RIALTG, N. C., Feb. 5, 1898. My Dear Sir and Brother:—Your letter of inquiry in regard to Official brand Guano for tobacco, will, in reply, say that I have been using said brand for a good many years, along with other popular brands, and after some time have decided the Official brand is the best I can find for raising fine tobacco. The Rialto A liancemen now use no nother brand on their tobacco. J. W. ATWATER.

MORRISVILLE N. C., Feb. 4, 1898. Mr. T. B Parker-Dear Sir and Brother:-I see in The Progressive Far-MER this week that you have been receiving inquiries about the Official brand of Guano, for tobacco. I have been using it five or six years under tobacco. Capital Cylinder... 35c | Renown Engin .... 20c Atlantic Red ..... 16 | Light Jewel Spd .... 14 | Light Jewel Spd .... 14 | Crop last year will average \$200 per acre A great many of our farmers use no the black ..... 15 | Charles of the black of the bl W. B UPCHURCH. Yours very truly,

> Mr. G. T. Walton, of Cyrus, Onslow County, N. C., used the Alliance Official Guana last year on six acres in tobbacco-800 pounds Guano per acre. He made 7,095 pounds tobacco and sold it for something over \$700. He will use it again this season. I shall plant tobacco this year, and will use the Alliance Fraternally. Official under my crop. W. M. BARBEE, County Bus. Agt.

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Write for Prices.

Beauty of Hebron, 3 25 Houlton Eurly Rose, Second Crop Va. Grown. White Bliss, 3 75 Early Rose, 3 60 3 40 Crown Jewell, Northern Grown. 2 75 Early Rose, Burbank, Peerless, 2 75 Beauty of Hebron. 2 75

Early Ohio, Mattocks, Cutter, per doz...... 4 50 Bush Hooks, best No 1, per doz ...... 9 00 Pitch Forks, No 21 thimble ...... 3 00 CHURCH AND SHOOL BELLS-

Weight of Bells and Mountings. No. 20, 160 pounds.....\$ 8 00 No. 22, 175 .... 10 00

No. 24, 225 " ..... 12 50 No. 26 325 " ..... 20 00 Heating Stoves (upright) -Large Russia Iron......4.85 

Box Heating Stoves-No. 16.....\$2.00 No. 20 ..... 2.50 No. 25..... 3.50 Per bushel. No. 31..... 4.50 No. 38..... 7.00 Dixie, with fan ... 4 85 | Dixie, without fan. 4 50 Buckeye, with fan, 5 75 | Buckeye 5 22

Feed Cutters (f. o. b. factory)-Telegraph No. 4......

Baldwin No. 1, 6-in knives ......

propeller, cutters, 6-in. knives.... Smith's patent lever straw cutter ..... Blades. Harrows (f. o. b. factory)-

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For lever adjustment attachments on

PLOW CASTINGS. Wringers-Boss No. 21/2.... Boss " 1¼ ...... Relief " 22 ..... Relief " 33 ..... Hoes, ("Bolles") 5 doz lots-3d headed ...... 2 10 | 4d headed ...... 1 95 6d " ...... 1 75 10d " ...... 1 70 | 12d " ...... 1 70 \*\*\*\*\*\* ...... 1 65 | 30d ....... \*\*\*\*\*\*\* ....... 6d finish ...... 2 (0) 8d finish...... 10d " 180 12d " ...... Nails, wire, from Raleigh, N. C., 30c, advanced Furniture-No. 21, Suit Oak Antique, 3 pieces......\$10.50 12.00 ..... 14.00 ..... 20.00 Polished ..... 26.00 ..... 30.00 Spiral Springs...... Woven \$2.50 to \$4.50 \*\*\*\*\*\*\*\*\*\*\*\*\*\* Slats..... 1.00 to Mill Stones (best N. C. Grit), write for prices. The Agency handles the Genuine "Iron Age"
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2x3-8, per 100..... 22 67 | Cotton Rope, white, per lb ...... 1314 Farm Bells, 40 lbs, from stock...... 1 10 75 lbs...... \$2 06 | 100 lbs....... 2 75 Back Bands-Hooks, per doz. 3 inch...... 80c | 3 1-2 inch ...... 90e 

Kettles, 20 gallons..... 4 00 45 gal...... \$6 50 | 60 gal..... 9 00 T. B. PARKER, S. B. A., HILLSBORO, N. O.